

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SS\$PTA1626GMS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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NEWS 1          Web Page for STN Seminar Schedule - N. America
NEWS 2 DEC 01    ChemPort single article sales feature unavailable
NEWS 3 JUN 01    CAS REGISTRY Source of Registration (SR) searching
                  enhanced on STN
NEWS 4 JUN 26    NUTRACEUT and PHARMAML no longer updated
NEWS 5 JUN 29    IMSCOPROFILE now reloaded monthly
NEWS 6 JUN 29    EPFULL adds Simultaneous Left and Right Truncation
                  (SLART) to AB, MCLM, and TI fields
NEWS 7 JUL 09    PATDPAFULL adds Simultaneous Left and Right
                  Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 8 JUL 14    USGENE enhances coverage of patent sequence location
                  (PSL) data
NEWS 9 JUL 27    CA/CAPLUS enhanced with new citing references
NEWS 10 JUL 16   GBFULL adds patent backfile data to 1855
NEWS 11 JUL 21   USGENE adds bibliographic and sequence information
NEWS 12 JUL 28   EPFULL adds first-page images and applicant-cited
                  references
NEWS 13 JUL 28   INPADOCDB and INPAFAMDB add Russian legal status data
NEWS 14 AUG 10   Time limit for inactive STN sessions doubles to 40
                  minutes
NEWS 15 AUG 18   COMPENDEX indexing changed for the Corporate Source
                  (CS) field
NEWS 16 AUG 24   ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 17 AUG 24   CA/CAPLUS enhanced with legal status information for
                  U.S. patents
NEWS 18 SEP 09   50 Millionth Unique Chemical Substance Recorded in
                  CAS REGISTRY
NEWS 19 SEP 11   WPIDS, WPINDEX, and WPIX now include Japanese FTERM
                  thesaurus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
                  AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS      STN Operating Hours Plus Help Desk Availability
NEWS LOGIN      Welcome Banner and News Items

```

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8

DICTIONARY FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

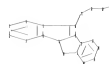
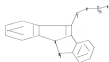
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10539262.str



```

chain nodes :
17 18 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
chain bonds :
8-17 17-18 18-19 19-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-10 6-7 7-8 8-9 9-12 10-11 11-12 11-16
12-13 13-14 14-15 15-16
exact/norm bonds :
5-6 5-9 5-10 7-8 8-9 8-17 9-12 10-11 17-18 18-19 19-20
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 11-12 11-16 12-13 13-14 14-15 15-16
isolated ring systems :
containing 1 :

```

G1:CH2,S02,C

```

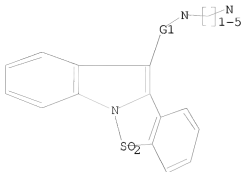
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
20:CLASS

```

L1 STRUCTURE UPLOADED

10539262

=> D L1
L1 HAS NO ANSWERS
L1 STR



G1 CH2, SO2, C

Structure attributes must be viewed using STN Express query preparation.

=> S L1
SAMPLE SEARCH INITIATED 11:31:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

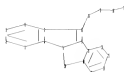
L2 0 SEA SSS SAM L1

=> S L1 SSS FULL
FULL SEARCH INITIATED 11:31:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10539262a.str



```

chain nodes :
16 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 24
chain bonds :
8-16 16-17 17-18 18-19
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-24 6-7 7-8 8-9 9-11 10-15 10-11 10-24
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-24 7-8 8-9 8-16 9-11 10-24 16-17 17-18 18-19
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S02,C

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS

```

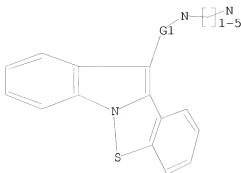
L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR

10539262



G1 CH2, SO2, C

Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 11:33:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s l4 sss full

FULL SEARCH INITIATED 11:33:14 FILE 'REGISTRY'

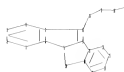
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=>

Uploading C:\Program Files\Stnexp\Queries\10539262b.str



```

chain nodes :
16 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 24
chain bonds :
8-16 16-17 17-18 18-19
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-24 6-7 7-8 8-9 9-11 10-15 10-11 10-24
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-24 7-8 8-9 8-16 9-11 10-24 16-17 17-18 18-19
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S,O2,C

G2:C,S,S,O2

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS

```

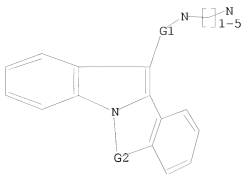
L7 STRUCTURE UPLOADED

=> d l7

L7 HAS NO ANSWERS

L7 STR

10539262



G1 CH₂,SO₂,C

G2 C,S,SO₂

Structure attributes must be viewed using STN Express query preparation.

=> s l7

SAMPLE SEARCH INITIATED 11:35:51 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 4 TO 200

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s l7 sss full

FULL SEARCH INITIATED 11:35:57 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 129 TO ITERATE

100.0% PROCESSED 129 ITERATIONS

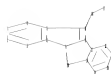
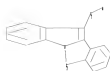
0 ANSWERS

SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L7

=>

Uploading C:\Program Files\Stnexp\Queries\10539262c.str



```

chain nodes :
16 17
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 20
chain bonds :
8-16 16-17
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-20 6-7 7-8 8-9 9-11 10-15 10-11 10-20
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-20 7-8 8-9 8-16 9-11 10-20 16-17
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S02,C

G2:C,S,S02

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 20:CLASS

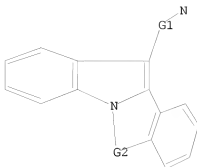
L10 STRUCTURE UPLOADED

=> d l10

L10 HAS NO ANSWERS

L10 STR

10539262



G1 CH2, SO2, C

G2 C, S, SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l10

SAMPLE SEARCH INITIATED 11:39:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 81 TO ITERATE

100.0% PROCESSED 81 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1081 TO 2159

PROJECTED ANSWERS: 0 TO 0

L11 0 SEA SSS SAM L10

=> s l10 sss full

FULL SEARCH INITIATED 11:39:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1778 TO ITERATE

100.0% PROCESSED 1778 ITERATIONS

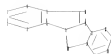
0 ANSWERS

SEARCH TIME: 00.00.01

L12 0 SEA SSS FUL L10

=>

Uploading C:\Program Files\Stnexp\Queries\10539262d.str



```

ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  18
ring bonds :
1-2  1-6  2-3  3-4  4-7  5-6  5-9  5-18  6-7  7-8  8-9  9-11  10-15  10-11  10-18
11-12  12-13  13-14  14-15
exact/norm bonds :
5-6  5-9  5-18  7-8  8-9  9-11  10-18
normalized bonds :
1-2  1-6  2-3  3-4  4-7  6-7  10-15  10-11  11-12  12-13  13-14  14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S,O2,C

G2:C,S,S,O2

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS

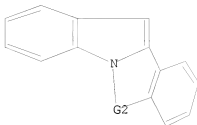
L13 STRUCTURE UPLOADED

=> d l13

L13 HAS NO ANSWERS

L13 STR

10539262



G1 CH2, SO2, C

G2 C, S, SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l13

SAMPLE SEARCH INITIATED 11:40:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2169 TO ITERATE

92.2% PROCESSED 2000 ITERATIONS

23 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 40587 TO 46173

PROJECTED ANSWERS: 199 TO 797

L14 23 SEA SSS SAM L13

=> s l13 sss full

FULL SEARCH INITIATED 11:40:37 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 43702 TO ITERATE

100.0% PROCESSED 43702 ITERATIONS

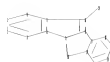
474 ANSWERS

SEARCH TIME: 00.00.01

L15 474 SEA SSS FUL L13

=>

Uploading C:\Program Files\Stnexp\Queries\10539262e.str



```

chain nodes :
20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,SO2,C

G2:C,S,SO2

Match level :

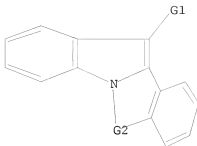
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS

L16 STRUCTURE UPLOADED

=> d l16

L16 HAS NO ANSWERS

L16 STR

G1 CH₂,SO₂,CG2 C,S,SO₂

Structure attributes must be viewed using STN Express query preparation.

=> s l16

SAMPLE SEARCH INITIATED 11:42:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 484 TO ITERATE

100.0% PROCESSED 484 ITERATIONS

15 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 8361 TO 10999

PROJECTED ANSWERS: 68 TO 532

L17 15 SEA SSS SAM L16

=> s l16 sss full

FULL SEARCH INITIATED 11:42:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 10071 TO ITERATE

100.0% PROCESSED 10071 ITERATIONS

313 ANSWERS

SEARCH TIME: 00.00.01

L18 313 SEA SSS FUL L16

=> FIL HCAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1122.00

1122.22

FILE 'HCAPLUS' ENTERED AT 11:42:37 ON 30 SEP 2009

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 30 Sep 2009 VOL 151 ISS 14
 FILE LAST UPDATED: 29 Sep 2009 (20090929/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CaPlus family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 9.

=> d his

(FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009)

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009

```
L1      STRUCTURE UPLOADED
L2      0 S L1
L3      0 S L1 SSS FULL
L4      STRUCTURE UPLOADED
L5      0 S L4
L6      0 S L4 SSS FULL
L7      STRUCTURE UPLOADED
L8      0 S L7
L9      0 S L7 SSS FULL
L10     STRUCTURE UPLOADED
L11     0 S L10
L12     0 S L10 SSS FULL
L13     STRUCTURE UPLOADED
L14     23 S L13
L15     474 S L13 SSS FULL
L16     STRUCTURE UPLOADED
L17     15 S L16
L18     313 S L16 SSS FULL
```

FILE 'HCAPLUS' ENTERED AT 11:42:37 ON 30 SEP 2009

=> s l15

```
L19      115 L15
```

10539262

=> s 118

L20 39 L18

=> s 20 and serotonin receptor

2640160 20

78676 SEROTONIN

54 SEROTONINS

78681 SEROTONIN

(SEROTONIN OR SEROTONINS)

825707 RECEPTOR

761054 RECEPTORS

990403 RECEPTOR

(RECEPTOR OR RECEPTORS)

8913 SEROTONIN RECEPTOR

(SEROTONIN(W)RECEPTOR)

L21 747 20 AND SEROTONIN RECEPTOR

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

17.10

1139.32

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 30 SEP 2009

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8

DICTIONARY FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

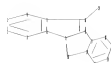
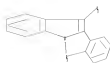
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10539262f.str



```

chain nodes :
20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S02,C

G2:C,S,S02

G3:S,S02

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS

```

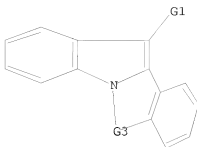
L22 STRUCTURE UPLOADED

=> d l22

L22 HAS NO ANSWERS

L22 STR

10539262



G1 CH₂,SO₂,C

G2 C,S,SO₂

G3 S,SO₂

Structure attributes must be viewed using STN Express query preparation.

=> s l22

SAMPLE SEARCH INITIATED 11:46:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 7 TO 298

PROJECTED ANSWERS: 5 TO 234

L23 5 SEA SSS SAM L22

=> s l22 sss full

FULL SEARCH INITIATED 11:47:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 186 TO ITERATE

100.0% PROCESSED 186 ITERATIONS

144 ANSWERS

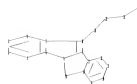
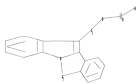
SEARCH TIME: 00.00.01

L24 144 SEA SSS FUL L22

=>

Uploading C:\Program Files\Stnexp\Queries\10539262g.str

10539262



```
chain nodes :
20 22 23 24
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20 20-22 22-23 23-24
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18 20-22 22-23 23-24
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :
```

G1:CH2,S02,C

G2:C,S,S02

G3:S,S02

```
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS 22:CLASS 23:CLASS
24:CLASS
```

L25 STRUCTURE UPLOADED

=> d l25

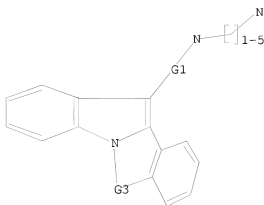
10539262.trn

09/30/2009

Page 19

10539262

L25 HAS NO ANSWERS
L25 STR



G1 CH2,SO2,C

G2 C,S,SO2

G3 S,SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l25

SAMPLE SEARCH INITIATED 11:49:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L26 0 SEA SSS SAM L25

=> s l25 sss full

FULL SEARCH INITIATED 11:49:10 FILE 'REGISTRY'

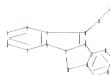
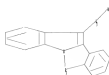
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L27 0 SEA SSS FUL L25

=>

Uploading C:\Program Files\Stnexp\Queries\10539262z.str



```

chain nodes :
20 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20 20-22
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18 20-22
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

```

G1:CH2,S02,C

G2:C,S,S02

G3:S,S02

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS 22:CLASS

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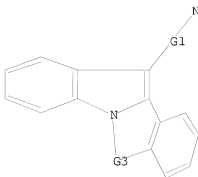
L28 STRUCTURE UPLOADED

=> d l28

L28 HAS NO ANSWERS

10539262

L28 STR



G1 CH2, SO2, C

G2 C, S, SO2

G3 S, SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l28

SAMPLE SEARCH INITIATED 11:50:23 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 0 TO 0

L29 0 SEA SSS SAM L28

=> s l28 sss full

FULL SEARCH INITIATED 11:50:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 39 TO ITERATE

100.0% PROCESSED 39 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L30 0 SEA SSS FUL L28

=> FIL HCAPLUS

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	559.56	1698.88

FILE 'HCAPLUS' ENTERED AT 11:50:39 ON 30 SEP 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 30 Sep 2009 VOL 151 ISS 14
 FILE LAST UPDATED: 29 Sep 2009 (20090929/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAPlus family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 9.

=> d his

(FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009)

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009

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L3	0 S L1 SSS FULL
L4	STRUCTURE UPLOADED
L5	0 S L4
L6	0 S L4 SSS FULL
L7	STRUCTURE UPLOADED
L8	0 S L7
L9	0 S L7 SSS FULL
L10	STRUCTURE UPLOADED
L11	0 S L10
L12	0 S L10 SSS FULL
L13	STRUCTURE UPLOADED
L14	23 S L13
L15	474 S L13 SSS FULL
L16	STRUCTURE UPLOADED
L17	15 S L16
L18	313 S L16 SSS FULL

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 L19 115 S L15
 L20 39 S L18
 L21 747 S 20 AND SEROTONIN RECEPTOR

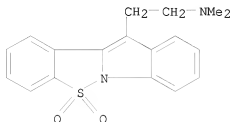
FILE 'REGISTRY' ENTERED AT 11:46:27 ON 30 SEP 2009
 L22 STRUCTURE UPLOADED
 L23 5 S L22
 L24 144 S L22 SSS FULL
 L25 STRUCTURE UPLOADED
 L26 0 S L25
 L27 0 S L25 SSS FULL
 L28 STRUCTURE UPLOADED
 L29 0 S L28
 L30 0 S L28 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:50:39 ON 30 SEP 2009

=> s l24
 L31 5 L24
 => s l24 and py<=2002
 5 L24
 22985274 PY<=2002
 L32 2 L24 AND PY<=2002
 => d l31 ibib abs hitstr tot

L31 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:1048528 HCAPLUS
 DOCUMENT NUMBER: 146:38423
 TITLE: Interaction of N1-unsubstituted and
 N1-benzenesulfonyltryptamines at h5-HT6 receptors
 AUTHOR(S): Kolanos, Renata; Dukat, Malgorzata; Roth, Bryan L.;
 Glennon, Richard A.
 CORPORATE SOURCE: Department of Medicinal Chemistry, School of Pharmacy,
 Virginia Commonwealth University, Richmond, VA,
 23298-0540, USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2006),
 16(22), 5832-5835
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 146:38423
 AB Despite possessing a common tryptaminergic scaffold, examination of 28 (i.e.,
 14 pairs of) compds. suggests that N1-unsubstituted and
 N1-benzenesulfonyltryptamines likely bind at h5-HT6 receptors in a
 dissimilar manner ($r^2 = 0.201$). Addnl., an examination of two rotationally
 constrained N1-benzenesulfonyltryptamine analogs indicates that a
 noncoplanar relationship between the two aryl groups might be preferred
 for interaction with the receptors.
 IT 639793-97-8P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (interaction of N1-unsubstituted and N1-benzenesulfonyltryptamines at

h5-HT6 receptors)
 RN 639793-97-8 HCAPLUS
 CN Indolo[1,2-b][1,2]benzothiazole-11-ethanamine, N,N-dimethyl-,
 5,5-dioxide (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
 (5 CITINGS)
 REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:534211 HCAPLUS
 DOCUMENT NUMBER: 141:71531
 TITLE: Preparation of tetracyclic 3-substituted indoles with
 serotonin receptor affinity
 INVENTOR(S): Ramakrishna, Venkata Satya Nirogi; Shirsath, Vikas
 Shreekrishna; Kambhampati, Rama Sastri; Rao, Venkata
 Satya Veerabhadra Vadiamudi; Jasti, Venkateswarlu
 PATENT ASSIGNEE(S): Suven Life Sciences Limited, India
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004055026	A1	20040701	WO 2003-IN393	20031216
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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CA 2507923	A1	20040701	CA 2003-2507923	20031216
AU 2003292510	A1	20040709	AU 2003-292510	20031216
AU 2003292510	B2	20090423		
EP 1581538	A1	20051005	EP 2003-768092	20031216
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

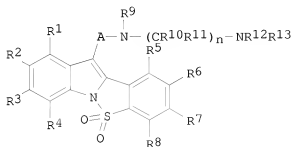
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PRIORITY APPLN. INFO.:

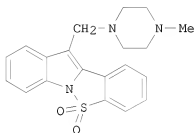
IN 2002-MA951	A	20021218
WO 2003-IN393	W	20031216

OTHER SOURCE(S): MARPAT 141:71531

GI



I



II

AB Tetracyclic indoles of formula I [A = (substituted) CH₂, CO, SO₂; R₁-R₁₁ = H, halo, perhaloalkyl, perhaloalkoxy, OH, amino, nitro, CN, CHO, aryl, aryloxy, alkoxy, etc.; R₁₂ R₁₃ = H, alkyl, cycloalkyl, aryl, aralkyl, heteroaryl, etc.; R₉R₁₂ = (substituted) alkylene; R₁₂, R₂R₃, R₃R₄, R₅R₆, R₆R₇, R₇R₈ = five or six membered ring; n = 1-4] are prepared which have serotonin receptor affinity. The compds. can be used to treat diseases by modulating 5-HT or melatonin, or as a diagnostic tool after radiolabeling. Pharmaceutical compns. containing I are claimed. Thus, II was prepared from 1-(2-bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole.

II	713123-92-3P	713123-93-4P	713123-94-5P
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	713124-00-6P	713124-01-7P	713124-02-8P

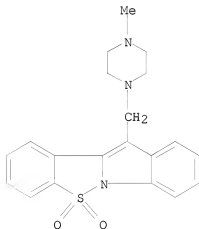
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713124-26-6P	713124-27-7P	713124-28-8P
713124-29-9P	713124-30-2P	713124-31-3P
713124-33-5P		

RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetracyclic indoles with serotonin receptor affinity)

RN 713123-92-3 HCAPLUS

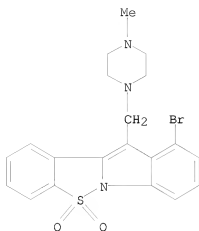
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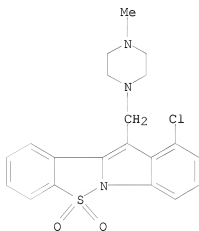
RN 713123-93-4 HCAPLUS

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10539262

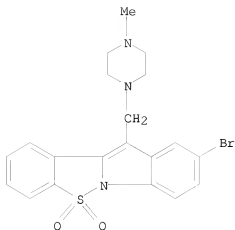


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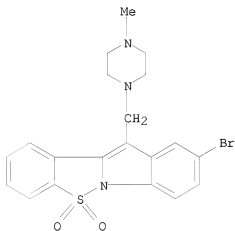


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CN Indolo[1,2-b][1,2]benzisothiazole,
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10539262



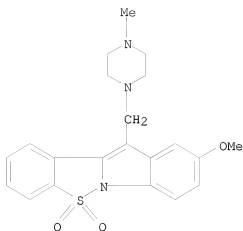
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(1:?) (CA INDEX NAME)



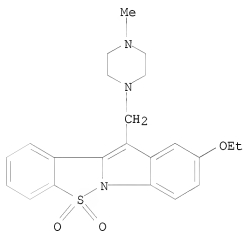
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RN 713123-97-8 HCAPLUS
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NAME)

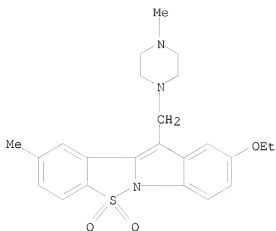
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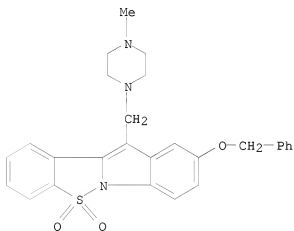
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NAME)



RN 713124-01-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
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INDEX NAME)

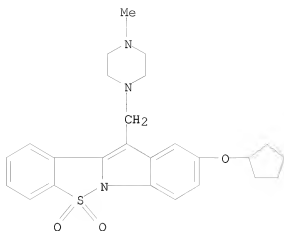


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 INDEX NAME)

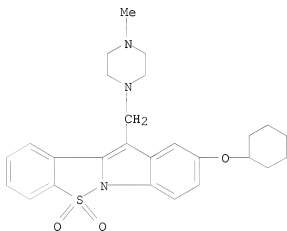


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 INDEX NAME)

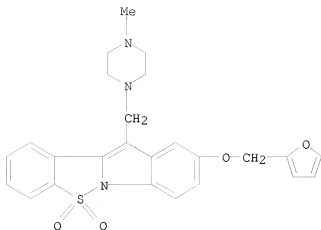
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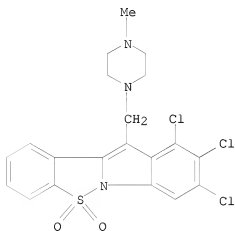
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 INDEX NAME)



RN 713124-06-2 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
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 (CA INDEX NAME)

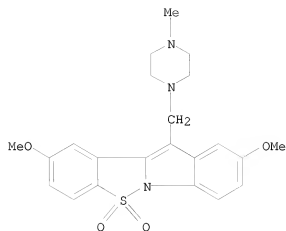


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 INDEX NAME)

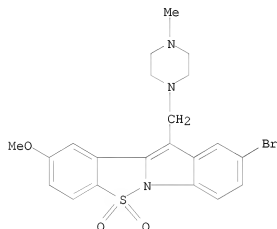


RN 713124-09-5 HCAPLUS
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 NAME)

10539262

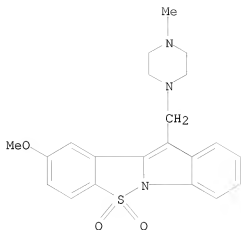


RN 713124-10-8 HCAPLUS
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INDEX NAME)

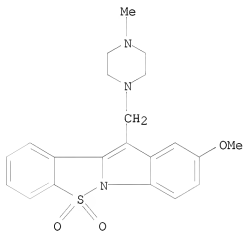


RN 713124-11-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
2-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX
NAME)

10539262



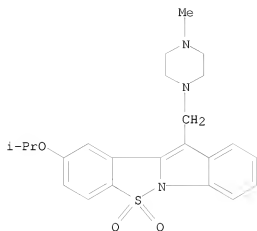
RN 713124-12-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
9-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide, hydrochloride
(1:?) (CA INDEX NAME)



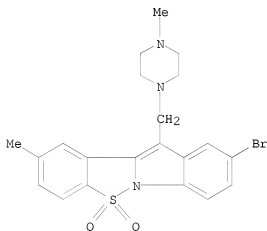
●x HCl

RN 713124-13-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
2-((1-methylethoxy)-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA
INDEX NAME)

10539262

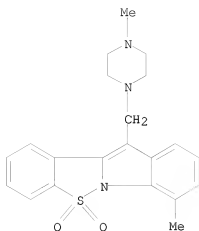


RN 713124-14-2 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 9-bromo-2-methyl-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA
 INDEX NAME)

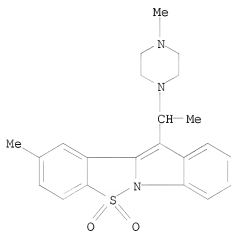


RN 713124-15-3 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 7-methyl-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX
 NAME)

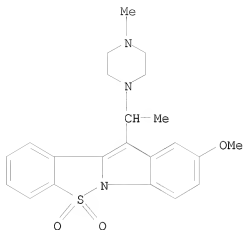
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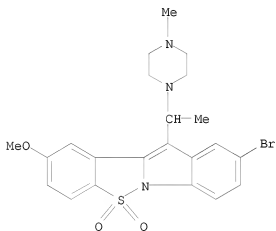
RN 713124-16-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
2-methyl-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX
NAME)



RN 713124-17-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
9-methoxy-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX
NAME)

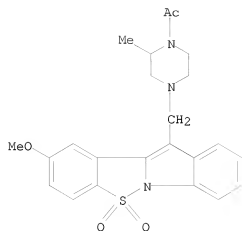


RN 713124-18-6 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 9-bromo-2-methoxy-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA
 INDEX NAME)

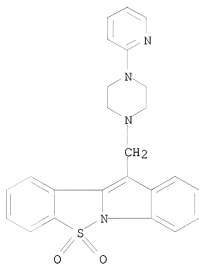


RN 713124-19-7 HCAPLUS
 CN Ethanone, 1-[4-[(2-methoxy-5,5-dioxidoindolo[1,2-b][1,2]benzisothiazol-11-yl)methyl]-2-methyl-1-piperazinyl]- (CA INDEX NAME)

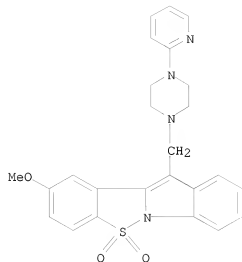
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RN 713124-20-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
11-[[4-(2-pyridinyl)-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)

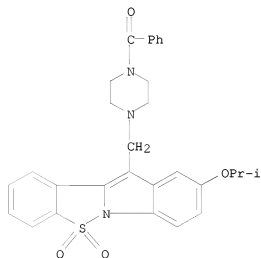


RN 713124-21-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
2-methoxy-11-[[4-(2-pyridinyl)-1-piperazinyl)methyl]-, 5,5-dioxide (CA
INDEX NAME)



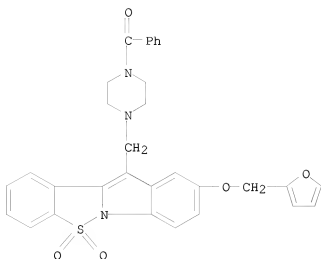
RN 713124-22-2 HCAPLUS

CN Methanone, [4-([9-(1-methylethoxy)-5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl]methyl)-1-piperazinyl]phenyl- (CA INDEX NAME)

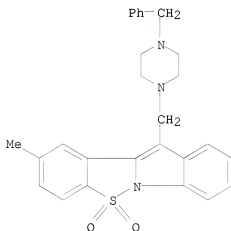


RN 713124-23-3 HCAPLUS

CN Methanone, [4-([9-(2-furanylmethoxy)-5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl]methyl)-1-piperazinyl]phenyl- (CA INDEX NAME)

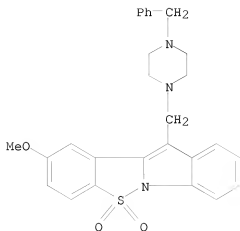


RN 713124-24-4 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 2-methyl-11-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA
 INDEX NAME)

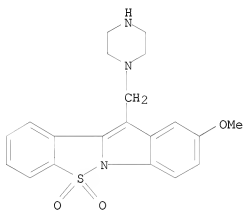


RN 713124-25-5 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 2-methoxy-11-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA
 INDEX NAME)

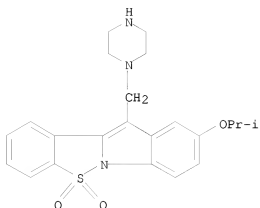
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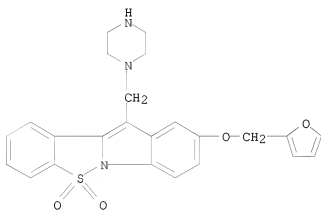
RN 713124-26-6 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 9-methoxy-11-(1-piperazinylmethyl)-,
 5,5-dioxide (CA INDEX NAME)



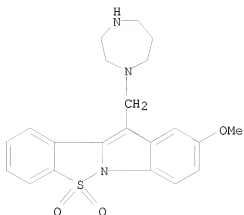
RN 713124-27-7 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 9-(1-methylethoxy)-11-(1-piperazinylmethyl)-, 5,5-dioxide (CA INDEX NAME)



RN 713124-28-8 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 9-(2-furanylmethoxy)-11-(1-piperazinylmethyl)-, 5,5-dioxide (CA INDEX
 NAME)

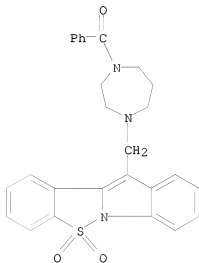


RN 713124-29-9 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole,
 11-[(hexahydro-1H-1,4-diazepin-1-yl)methyl]-9-methoxy-, 5,5-dioxide (CA
 INDEX NAME)



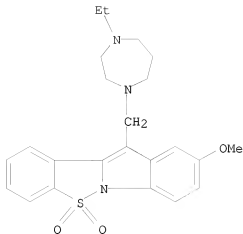
RN 713124-30-2 HCAPLUS

CN Methanone, [4-[(5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl)methyl]hexahydro-1H-1,4-diazepin-1-yl]phenyl- (CA INDEX NAME)



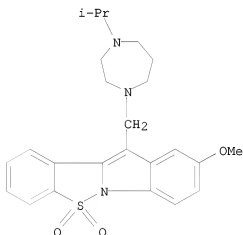
RN 713124-31-3 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole,
11-[(4-ethylhexahydro-1H-1,4-diazepin-1-yl)methyl]-9-methoxy-, 5,5-dioxide
(CA INDEX NAME)



RN 713124-33-5 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole,
11-[[hexahydro-4-(1-methylethyl)-1H-1,4-diazepin-1-yl]methyl]-9-methoxy-,
5,5-dioxide (CA INDEX NAME)



IT 713124-51-7P 713124-52-8P 713124-53-9P

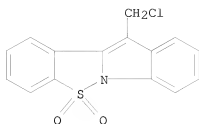
713124-54-0P 713124-55-1P 713124-56-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

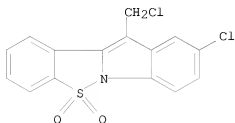
(preparation of tetracyclic indoles with serotonin receptor affinity)

RN 713124-51-7 HCAPLUS

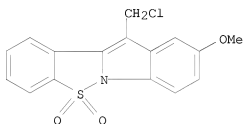
CN Indolo[1,2-b][1,2]benzisothiazole, 11-(chloromethyl)-, 5,5-dioxide (CA
INDEX NAME)



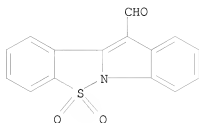
RN 713124-52-8 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 9-chloro-11-(chloromethyl)-,
 5,5-dioxide (CA INDEX NAME)



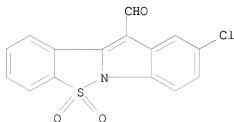
RN 713124-53-9 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 11-(chloromethyl)-9-methoxy-,
 5,5-dioxide (CA INDEX NAME)



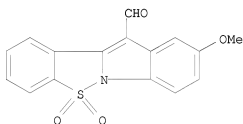
RN 713124-54-0 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 5,5-dioxide (CA
 INDEX NAME)



RN 713124-55-1 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-chloro-,
 5,5-dioxide (CA INDEX NAME)



RN 713124-56-2 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-methoxy-,
 5,5-dioxide (CA INDEX NAME)



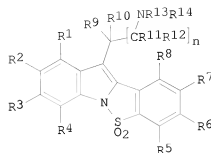
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
 (3 CITINGS)
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:2891 HCAPLUS
 DOCUMENT NUMBER: 140:77139
 TITLE: Preparation of novel tetracyclic arylsulfonyl indoles
 having serotonin receptor affinity
 Jasti, Venkateswarlu; Ramakrishna, Venkata Satya
 Nirogi; Kambhampati, Rama Sastri; Battula, Srinivasa
 Reddy; Veeraraeddy, Arava; Rao, Venkata Satya

PATENT ASSIGNEE(S): Veerabhadra Vadlamudi
 Suven Pharmaceuticals Ltd., India; Suven Life Sciences Ltd.
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000849	A2	20031231	WO 2003-IN222	20030619
WO 2004000849	A3	20040325		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
IN 2002MA00478	A	20061027	IN 2002-MA478	20020621
CA 2490254	A1	20031231	CA 2003-2490254	20030619
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AU 2003249582	B2	20060803		
BR 2003012176	A	20050405	BR 2003-12176	20030619
EP 1523486	A2	20050420	EP 2003-760857	20030619
EP 1523486	B1	20071107		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1662544	A	20050831	CN 2003-814602	20030619
CN 100378108	C	20080402		
JP 2005535621	T	20051124	JP 2004-515418	20030619
NZ 537770	A	20070330	NZ 2003-537770	20030619
AT 377603	T	20071115	AT 2003-760857	20030619
ES 2297216	T3	20080501	ES 2003-760857	20030619
RU 2340619	C2	20081210	RU 2005-101344	20030619
ZA 2004009886	A	20060726	ZA 2004-9886	20041207
MX 2004012832	A	20050527	MX 2004-12832	20041216
US 20050203154	A1	20050915	US 2005-519219	20050513
HK 1074843	A1	20080627	HK 2005-108865	20051006
PRIORITY APPLN. INFO.:			IN 2002-MA478	A 20020621
			IN 2002-CH478	A 20020621
			WO 2003-IN222	W 20030619

OTHER SOURCE(S): MARPAT 140:77139
 GI



I

AB The title compds. [I; R1-R12 = H, halo, oxo, thio, etc.; or the adjacent groups like R1 and R2 together with carbon atoms to which they are attached may form 5-7 membered ring which may further contain one or more double bonds and/or one or more heteroatoms such as O, N, S, Se; or R9 and R10 or R11 and R12 together represent double bond attached to O or S; or R9 and R10 or R11 and R12 together with the carbon atoms to which they are attached may form 3-6 membered ring which may further contain one or more double bonds, and/or one or more heteroatoms such as O, N, S or Se; R13, R14 = H, alkyl, alkenyl, cycloalkyl, aryl, etc.; or NR13R14 = 3-7 membered heterocyclyl; n = 1-8], useful for treating conditions where a modulation of 5-HT activity is desired (no data given), were prepared Thus, reacting 1-(2'-bromophenylsulfonyl)-N,N-dimethyltryptamine with N,N-dimethylacetamide in the presence of PdCl2[P(o-tolyl)3]2 and AcOK afforded 6-(2-N,N-dimethylaminoethyl)benzo[d]isothiazolo[3,2-a]indole-S,S-dioxide. This invention also relates to processes for preparing compds I, compns. containing effective amts. of compound I and the use of such compound/composition in therapy.

IT	639793-97-8P	639794-00-6P	639794-03-9P
	639794-06-2P	639794-09-5P	639794-12-0P
	639794-15-3P	639794-18-6P	639794-20-0P
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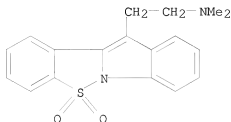
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel tetracyclic arylsulfonyl indoles having serotonin receptor affinity)

RN 639793-97-8 HCAPLUS

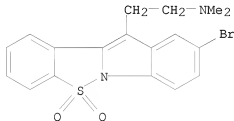
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N-dimethyl-,

5,5-dioxide (CA INDEX NAME)



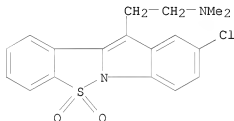
RN 639794-00-6 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-bromo-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-03-9 HCAPLUS

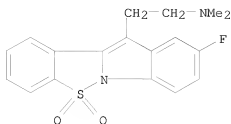
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-chloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



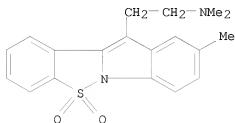
RN 639794-06-2 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-fluoro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)

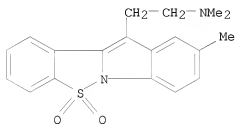
10539262



RN 639794-09-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-,
5,5-dioxide (CA INDEX NAME)



RN 639794-12-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-,
5,5-dioxide, hydrochloride (1:1) (CA INDEX NAME)



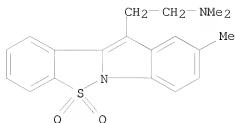
● HCl

RN 639794-15-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-,
5,5-dioxide, (2Z)-2-butenedioate (9CI) (CA INDEX NAME)

CM 1

CRN 639794-09-5
CMF C19 H20 N2 O2 S

10539262

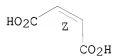


CM 2

CRN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



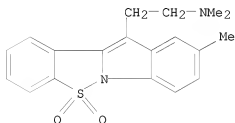
RN 639794-18-6 HCAPLUS

CN Butanedioic acid, 2-hydroxy-, compd. with
N,N,9-trimethylindolo[1,2-b][1,2]benzisothiazole-11-ethanamine 5,5-dioxide
(1:?) (CA INDEX NAME)

CM 1

CRN 639794-09-5

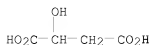
CMF C19 H20 N2 O2 S



CM 2

CRN 6915-15-7

CMF C4 H6 O5



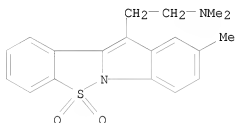
RN 639794-20-0 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-,
5,5-dioxide, ethanedioate (1:?) (CA INDEX NAME)

CM 1

CRN 639794-09-5

CMF C19 H20 N2 O2 S



CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 639794-22-2 HCAPLUS

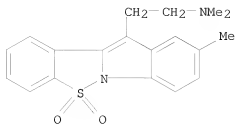
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-,
5,5-dioxide, 2-hydroxy-1,2,3-propanetricarboxylate (1:?) (CA INDEX NAME)

CM 1

CRN 639794-09-5

CMF C19 H20 N2 O2 S

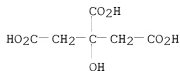
10539262



CM 2

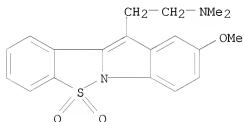
CRN 77-92-9

CMF C6 H8 O7



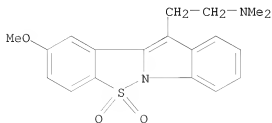
RN 639794-24-4 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-26-6 HCAPLUS

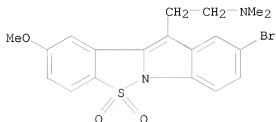
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



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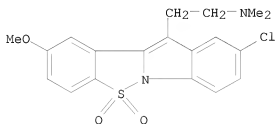
RN 639794-28-8 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-bromo-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



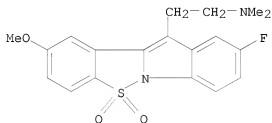
RN 639794-30-2 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-chloro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-32-4 HCAPLUS

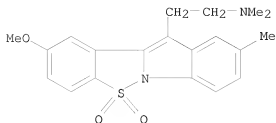
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-fluoro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-35-7 HCAPLUS

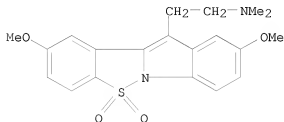
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
2-methoxy-N,N,9-trimethyl-, 5,5-dioxide (CA INDEX NAME)

10539262



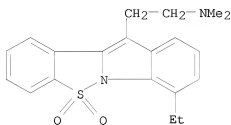
RN 639794-37-9 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
2,9-dimethoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



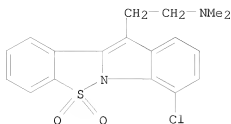
RN 639794-39-1 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7-ethyl-N,N-dimethyl-,
5,5-dioxide (CA INDEX NAME)

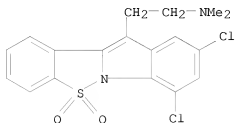


RN 639794-41-5 HCAPLUS

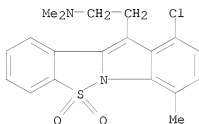
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7-chloro-N,N-dimethyl-,
5,5-dioxide (CA INDEX NAME)



RN 639794-42-6 HCAPLUS

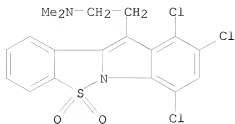
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,9-dichloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)

RN 639794-43-7 HCAPLUS

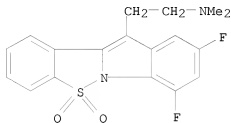
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
10-chloro-N,N-trimethyl-, 5,5-dioxide (CA INDEX NAME)

RN 639794-44-8 HCAPLUS

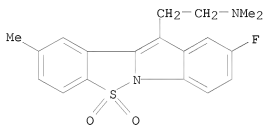
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,9,10-trichloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-47-1 HCAPLUS

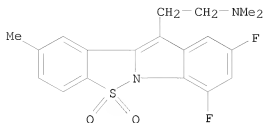
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,9-difluoro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)

RN 639794-49-3 HCAPLUS

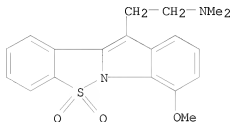
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-fluoro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)

RN 639794-51-7 HCAPLUS

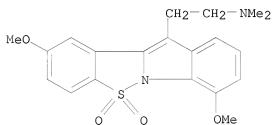
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,9-difluoro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-53-9 HCAPLUS
 CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine, 7-methoxy-N,N-dimethyl-,
 5,5-dioxide (CA INDEX NAME)

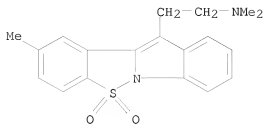


RN 639794-55-1 HCAPLUS
 CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine,
 2,7-dimethoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)

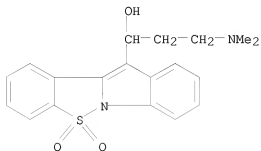


RN 639794-57-3 HCAPLUS
 CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine, N,N,2-trimethyl-,
 5,5-dioxide (CA INDEX NAME)

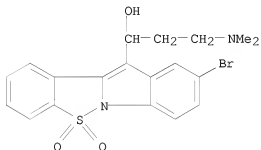
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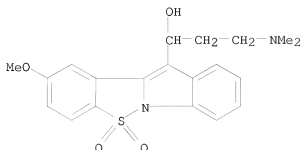
RN 639794-58-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
α-[2-(dimethylamino)ethyl]-, 5,5-dioxide (CA INDEX NAME)



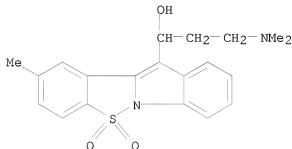
RN 639794-59-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
9-bromo-α-[2-(dimethylamino)ethyl]-, 5,5-dioxide (CA INDEX NAME)



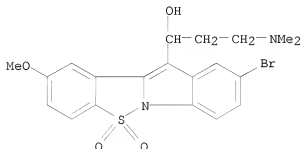
RN 639794-61-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
α-[2-(dimethylamino)ethyl]-2-methoxy-, 5,5-dioxide (CA INDEX NAME)



RN 639794-63-1 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
 α-[2-(dimethylamino)ethyl]-2-methyl-, 5,5-dioxide (CA INDEX NAME)

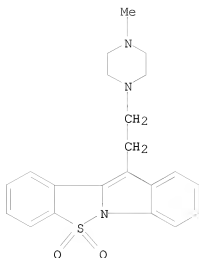


RN 639794-65-3 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
 9-bromo-α-[2-(dimethylamino)ethyl]-2-methoxy-, 5,5-dioxide (CA
 INDEX NAME)

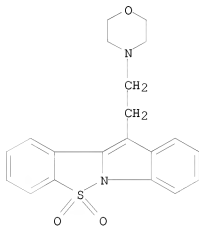


RN 639794-67-5 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(4-methyl-1-piperazinyl)ethyl]-,
 5,5-dioxide (CA INDEX NAME)

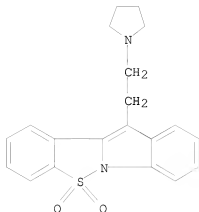
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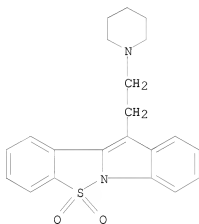
RN 639794-69-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(4-morpholinyl)ethyl]-,
5,5-dioxide (CA INDEX NAME)



RN 639794-71-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(1-pyrrolidinyl)ethyl]-,
5,5-dioxide (CA INDEX NAME)

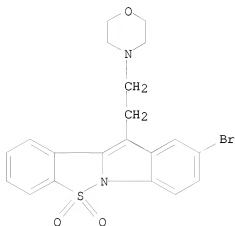


RN 639794-73-3 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(1-piperidinyl)ethyl]-,
 5,5-dioxide (CA INDEX NAME)

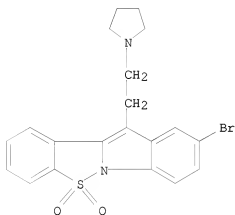


RN 639794-75-5 HCAPLUS
 CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[2-(4-morpholinyl)ethyl]-,
 5,5-dioxide (CA INDEX NAME)

10539262

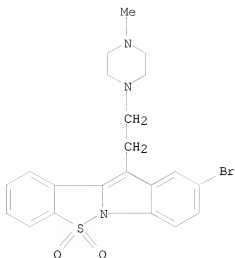


RN 639794-77-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[2-(1-pyrrolidinyl)ethyl]-,
5,5-dioxide (CA INDEX NAME)

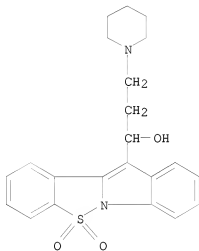


RN 639794-80-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
9-bromo-11-[2-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX
NAME)

10539262

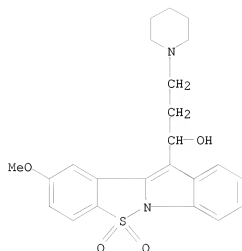


RN 639794-82-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)

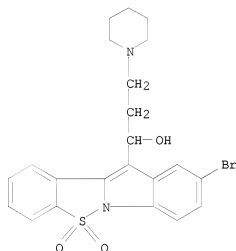


RN 639794-85-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
2-methoxy-α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)

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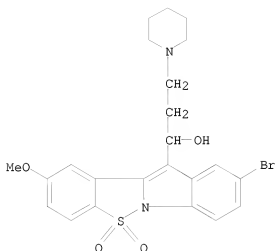


RN 639794-87-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
9-bromo- α -[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)

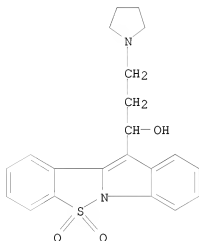


RN 639794-90-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
9-bromo-2-methoxy- α -[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA
INDEX NAME)

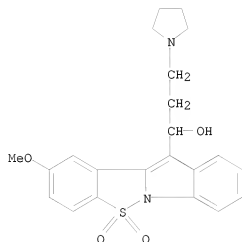
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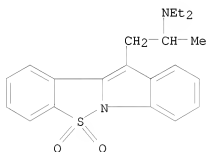
RN 639794-92-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
 α -[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



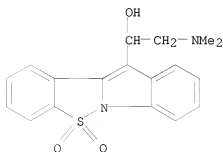
RN 639794-94-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
2-methoxy- α -[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



RN 639794-97-1 HCAPLUS

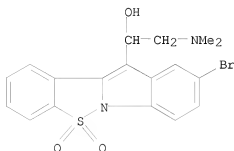
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
N,N-diethyl- α -methyl-, 5,5-dioxide (CA INDEX NAME)

RN 639794-99-3 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
 α -[(dimethylamino)methyl]-, 5,5-dioxide (CA INDEX NAME)

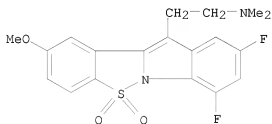
RN 639795-01-0 HCAPLUS

CN Indolo[1,2-b][1,2]benziso-thiazole-11-methanol,
9-bromo- α -(dimethylamino)methyl-, 5,5-dioxide (CA INDEX NAME)



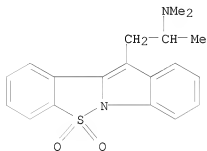
RN 639795-03-2 HCAPLUS

CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine,
7,9-difluoro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



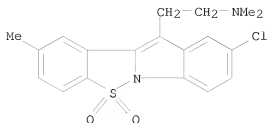
RN 639795-05-4 HCAPLUS

CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine, N,N, α -trimethyl-,
5,5-dioxide (CA INDEX NAME)

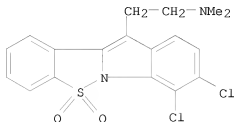


RN 639795-06-5 HCAPLUS

CN Indolo[1,2-b][1,2]benziso-thiazole-11-ethanamine,
9-chloro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



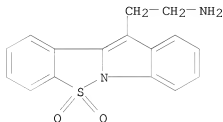
RN 639795-98-5 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,8-dichloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)

IT 639795-96-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of novel tetracyclic arylsulfonyl indoles having serotonin
receptor affinity)

RN 639795-96-3 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 5,5-dioxide (CA INDEX
NAME)

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
(5 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

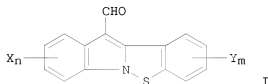
L31 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:59137 HCAPLUS

DOCUMENT NUMBER: 132:93313

TITLE: Preparation of
11-formylindolo[1,2-b][1,2]benzisothiazoles and their
use as agrochemical fungicides
INVENTOR(S): Mitani, Akira; Saiga, Michiyuki
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000026471	A	20000125	JP 1998-195759	19980710
PRIORITY APPLN. INFO.:			JP 1998-195759	19980710
OTHER SOURCE(S):		CASREACT 132:93313; MARPAT 132:93313		
GI				

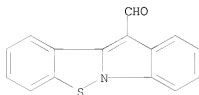


AB The title compds. I [X, Y = H, cyano, NO₂, CO₂H, halo, C1-6 (halo)alkyl, C1-6 alkoxy, (un)substituted amino, amido, etc.; m, n = 0-4] are prepared [1]6,11-Dihydrobenzothioopyrano[4,3-b]indole (1.2 g) was treated with SeO₂ at 50-60° for 2 h in aqueous THF to give 0.55 g 11-formylindolo[1,2-b][1,2]benzisothiazole, which showed ≥75% antifungal activity against *Plasmopara viticola*.

IT 254909-65-4P, 11-Formylindolo[1,2-b][1,2]benzisothiazole
254909-66-5P 254909-67-6P 254909-68-7P
254909-69-8P 254909-70-1P 254909-71-2P
254909-72-3P 254909-73-4P 254909-74-5P
254909-75-6P 254909-76-7P

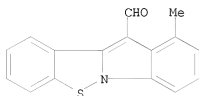
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 11-formylindolo[1,2-b][1,2]benzisothiazoles as agrochem. fungicides)

RN 254909-65-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde (CA INDEX NAME)

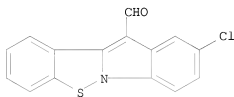


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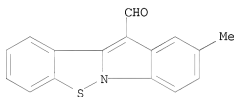
RN 254909-66-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 10-methyl- (CA INDEX NAME)



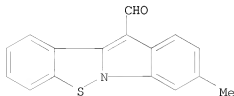
RN 254909-67-6 HCAPLUS
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RN 254909-68-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-methyl- (CA INDEX NAME)

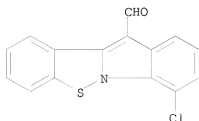


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CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 8-methyl- (CA INDEX NAME)

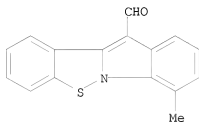


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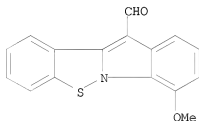
RN 254909-70-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 7-chloro- (CA INDEX NAME)



RN 254909-71-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 7-methyl- (CA INDEX NAME)

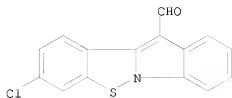


RN 254909-72-3 HCAPLUS
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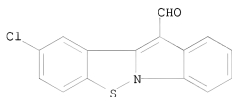


RN 254909-73-4 HCAPLUS
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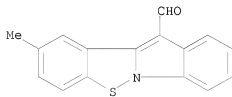
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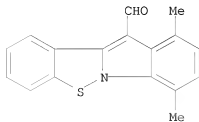
RN 254909-74-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 2-chloro- (CA INDEX NAME)



RN 254909-75-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 2-methyl- (CA INDEX NAME)

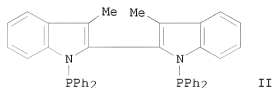
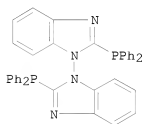


RN 254909-76-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 7,10-dimethyl- (CA INDEX NAME)



L31 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:340160 HCAPLUS
DOCUMENT NUMBER: 127:50730

ORIGINAL REFERENCE NO.: 127:9685a,9688a
 TITLE: Chiral atropisomeric five-membered biheteroaromatic diphosphines: new ligands of the bibenzimidazole and biindole series
 AUTHOR(S): Benincori, Tiziana; Brenna, Elisabetta; Sannicolo, Franco; Trimarco, Licia; Antognazza, Patrizia; Cesarotti, Edoardo; Demartin, Francesco; Pilati, Tullio; Zotti, Gianni
 CORPORATE SOURCE: Dip. Chim. Org. Industriale, Centro CNR, Sintesi e Stereochimica Speciali Sistemi Organici, Univ. Milano, Milan, I-20133, Italy
 SOURCE: Journal of Organometallic Chemistry (1997), 529(1-2), 445-453
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 127:50730
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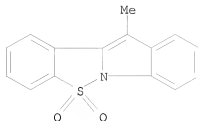


AB Two new chiral atropisomeric biheteroarom. diphosphines are described: 2,2'-bis(diphenylphosphino)-1,1'-bibenzimidazole I and 3,3'-dimethyl-1,1'-bis(diphenylphosphino)-2,2'-biindole II. Structural characterization is given and configurational stability at room temperature demonstrated. The oxidation potential was recognized as a good tool to evaluate the electronic availability of the phosphorus atom in the series of biheteroarom. diphosphines. Its value increases parallel to the electronic demand of the heterocyclic system and also depends on the position of the diphenylphosphino group.

IT 191026-95-6P
 RL: BYP (Byproduct); PREP (Preparation)
 (preparation of)

RN 191026-95-6 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole, 11-methyl-, 5,5-dioxide (CA INDEX NAME)



OS.CITING REF COUNT: 32 THERE ARE 32 CAPLUS RECORDS THAT CITE THIS
 RECORD (32 CITINGS)
 REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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SINCE FILE	TOTAL
ENTRY	SESSION
62.40	1761.28

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.10	-4.10

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